## AMENDMENTS TO THE CLAIMS

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- 1. (Currently amended) A surface radiation conversion element for converting electromagnetic wave, which is radiated from a radiation source, to surface radiation, characterized in that an element body has a generally plate shape constituted with a material having a larger electric permittivity than air outside said element body and, in the inside of the element body, a plurality of closed spaces are disposed whose electric permittivity is smaller than that of the material constituting the element body and whose surfaces opposite to a radiation surface are generally flat, wherein a number of closed spaces near an edge of the element body near the radiation source is greater than in a central portion of the element body.
- 2. (Original) The surface radiation conversion element according to claim 1, characterized in that a plurality of closed spaces are disposed whose surfaces opposite to said radiation surface are generally parallel to the radiation surface.
- 3. (Original) The surface radiation conversion element according to claim 1, characterized in that a plurality of closed spaces are adjacently disposed whose surfaces opposite to said radiation surface are generally parallel to each other.
- 4. (Original) The surface radiation conversion element according to claim 1, characterized in that a first member having a radiation source disposed on a side thereof and a second member disposed on the radiation surface side are constituted to be in close adhesion, and said closed spaces are formed between said first member and said second member.
- 5. (Original) The surface radiation conversion element according to claim 4, characterized in that at least one member of said first member and said second member has recesses formed therein, and said recesses are disposed to constitute said closed spaces by joining the first member and the second member.
  - 6. (Original) The surface radiation conversion element according to claim 1,

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characterized in that a total reflection restraining layer such as a scattering layer is disposed in the radiation surface.

7. (Original) The surface radiation conversion element according to claim 1, characterized in that said closed spaces are filled with solid layers having a smaller electric permittivity than the material constituting the element body.

8. (Currently amended) A liquid crystal display device having a surface radiation conversion element, characterized in that an element body of the surface radiation conversion element has a generally plate shape constituted with a material having a larger electric permittivity than air outside said element body and, in the inside of the element body, a plurality of closed spaces are disposed whose electric permittivity is smaller than that of the material constituting the element body and whose surfaces opposite to a radiation surface are generally flat, wherein a number of closed spaces near an edge of the element body near a radiation source is greater than in a central portion of the element body.

- 9. (Original) The liquid crystal display device according to claim 8, characterized in that a plurality of closed spaces are disposed whose surfaces opposite to said radiation surface are generally parallel to the radiation surface.
- 10. (Original) The liquid crystal display device according to claim 8, characterized in that a plurality of closed spaces are adjacently disposed whose surfaces opposite to said radiation surface are generally parallel to each other.
- 11. (Original) The liquid crystal display device according to claim 8, characterized in that a first member having a radiation source disposed on a side thereof and a second member disposed on the radiation surface side are constituted to be in close adhesion, and said closed spaces are formed between said first member and said second member.

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12. (Original) The liquid crystal display device according to claim 8, characterized in that

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at least one member of said first member and said second member has recesses formed therein,

and said recesses are disposed to constitute said closed spaces by joining the first member and

the second member.

13. (Original) The liquid crystal display device according to claim 12, characterized in

that a total reflection restraining layer such as a scattering layer is disposed in the radiation

surface.

14. (Original) The liquid crystal display device according to claim 8, characterized in that

said closed spaces are filled with solid layers having a smaller electric permittivity than the

material constituting the element body.

Claim 15 (Cancelled).

16. (Previously presented) The method of producing a surface radiation conversion

element according to claim 20, characterized in that

said first member is constituted with a plate material such as an acrylic light guide,

said second member is constituted with a sheet member such as a diffusion sheet

containing polycarbonate as a principal material, and

said first member and said second member are joined by adhesion.

17. (Previously presented) The method of producing a surface radiation conversion

element according to claim 20, characterized in that said recesses are formed in one member of

the first member and the second member, and a joining surface of the other member to which the

one member having said recesses formed therein is joined is formed to be generally coplanar.

18. (Previously presented) The method of producing a surface radiation conversion

element according to claim 20, characterized in that a total reflection restraining layer such as a

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diffusion layer is formed in said first member or said second member in a surface opposite to the

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joining surface.

Claim 19 (Cancelled).

20. (Currently amended) A method of producing a surface radiation conversion element

for converting electromagnetic radiation from a radiation source to surface radiation, comprising

the steps of:

providing a first member having a first electric permittivity and a second member having

a second permittivity generally equal to the first electric permittivity, wherein a plurality of

recesses are formed in a surface of at least one of the first member and the second member, a

number of recesses near an edge of the element body near the radiation source being greater than

in a central portion of the element body; and

connecting the second member to the first member to close the recesses;

whereby the recesses have a smaller electric permittivity than the first electric

permittivity and the second electric permittivity.

21. (Previously presented) The method of claim 20 including the additional step of filling

the recesses with a solid material having an electric permittivity less than the first electric

permittivity.

22. (Previously presented) The method of claim 20 including the additional step of filling

the recesses with a gas having an electric permittivity less than the first electric permittivity.

23. (Previously presented) The surface radiation conversion element according to claim

1, characterized in that a first member having a radiation source disposed on a side thereof and a

second member disposed on a radiation surface of the first member are constituted to be in close

adhesion, the second member including a planar surface having a plurality of openings therein,

wherein face contact between the second member planar surface and the first member closes the

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spaces in the second member.

24. (Previously presented) The liquid crystal display device according to claim 8,

characterized in that a first member having a radiation source disposed on a side thereof and a

second member disposed on a radiation surface of the first member are constituted to be in close

adhesion, the second member including a planar surface having a plurality of openings therein,

wherein face contact between the second member planar surface and the first member closes the

spaces in the second member.

25. (Currently amended) A surface radiation conversion element for converting

electromagnetic wave, which is radiated from a radiation source, to surface radiation, comprising

an element body having a generally plate shape constituted with a material having a larger

electric permittivity than air outside said element body and, in the inside of the element body, a

plurality of closed spaces are disposed, the electric permittivity of said closed spaces being

smaller than the electrical permittivity of the material constituting the element body, and a

number of the closed spaces near an edge of the element body near the radiation source being

greater than in a central portion of the element body,

wherein said element body comprises a first member having a first side facing a radiation

source and a planar second side and a second member having a planar side having a plurality of

openings having generally flat bottoms, said second member being mounted on said first member

with portions of said second member planar side in face contact with said first member planar

second side thereby closing said plurality of openings.

26. (New) A surface radiation conversion element for converting electromagnetic wave,

which is radiated from a radiation source, to surface radiation, comprising an element body

having a generally plate shape constituted with a material having a larger electric permittivity

than air outside said element body and, in the inside of the element body, a plurality of closed

spaces are disposed whose electric permittivity is smaller than that of the material constituting

the element body and whose surfaces opposite to a radiation surface are generally flat, the

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element body comprising a first member having a radiation source disposed on a side thereof and

a second member disposed on the radiation surface side in close adhesion with the first member,

said closed spaces being formed in said first member and in said second member.

27. (New) The surface radiation device of claim 26 wherein at least some of said closed

spaces in said first member are aligned with at least some of the closed spaces in said second

member.

28. (New) The surface radiation device of claim 26 wherein at least some of said closed

spaces in said second member partially overlap at least some of said closed spaces in said first

member.

29. (New) The surface radiation device of claim 26 wherein at least some of said closed

spaces in said second member are offset from all closed spaces in said first member.

30. (New) The surface radiation conversion element according to claim 26, wherein a

plurality of the closed spaces include surfaces opposite to said radiation surface that are generally

parallel to the radiation surface.

31. (New) The surface radiation conversion element according to claim 26, wherein a

plurality of the closed spaces include surfaces opposite to said radiation surface that are generally

parallel to each other.

32. (New) A liquid crystal display device having surface radiation conversion element,

wherein an element body of the surface radiation conversion element has a generally plate shape

constituted with a material having a larger electric permittivity than air outside said element body

and, in the inside of the element body, a plurality of closed spaces are disposed whose electric

permittivity is smaller than that of the material constituting the element body and whose surfaces

opposite to a radiation surface are generally flat, the element body comprising a first member

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having a radiation source disposed on a side thereof and a second member disposed on the radiation surface side in close adhesion with the first member, said closed spaces being formed in said first member and in said second member.

- 33. (New) The surface radiation device of claim 32 wherein at least some of said closed spaces in said first member are aligned with at least some of the closed spaces in said second member.
- 34. (New) The surface radiation device of claim 32 wherein at least some of said closed spaces in said second member partially overlap at least some of said closed spaces in said first member.
- 35. (New) The surface radiation device of claim 32 wherein at least some of said closed spaces in said second member are offset from all closed spaces in said first member.
- 36. (New) The surface radiation conversion element according to claim 32, wherein a plurality of the closed spaces include surfaces opposite to said radiation surface that are generally parallel to the radiation surface.
- 37. (New) The surface radiation conversion element according to claim 32, wherein a plurality of the closed spaces include surfaces opposite to said radiation surface that are generally parallel to each other.
- 38. (New) A method of producing a surface radiation conversion element for converting electromagnetic radiation from a radiation source to surface radiation, comprising the steps of:

providing a first member having a first electric permittivity and a second member having a second permittivity generally equal to the first electric permittivity, wherein a plurality of recesses are formed in a surface of the first member and in a surface of the second member; and connecting the second member to the first member to close the recesses in the first

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member and the recesses in the second member;

whereby the recesses have a smaller electric permittivity than the first electric

permittivity and the second electric permittivity.

39. (New) The method of claim 38 wherein said step of connecting the second member to

the first member comprises the step of aligning at least some of the recesses in the first member

with at least some of the recesses in the second member.

40. (New) The method of claim 38 wherein said step of connecting the second member to

the first member comprises the step of overlapping at least some of the recesses in the first

member with at least some of the recesses in the second member.

41. (New) The method of claim 38 wherein said step of connecting the second member to

the first member comprises the step of aligning at least some of the recesses in the first member

with an area of the second member having no recesses.